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PTO/SB/21 - MODIFIED  
09/2004

# TRANSMITTAL FORM

to be used for all correspondence after initial filing

Application Number 09/901,507

Filing Date 07/09/2001

First Named Inventor Zining WU

Group Art Unit 2631

Examiner Name G. Mohammad

Total number of pages in this submission including transmittal 128

Attorney Docket Number MP0077

## ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached - Check
- ☐ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_
  - ☐ Landscape Table on CD

- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (identify below):
  1. COMMUNICATION with 3 references
  2. COMMUNICATION TO THE EXAMINER with copy of 11/19/2004 Transmittal, IDS, 1449 and USPTO date-stamped receipt postcard

REMARKS

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name KATTEN MUCHIN ZAVIS ROSENMAN

Signature

Printed Name Andrew J. Bateman

Reg. No. 45,573

Date: 01-11-05

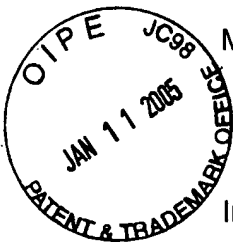
## CERTIFICATE OF FACSIMILE TRANSMISSION OR MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO via fax no. (703) 872-9306 or is being deposited with the US Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or Printed Name

Date:



MP0077

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Zining WU, et al. ) Group Art Unit: 2631  
 )  
Application No.: 09/901,507 ) Examiner: G. Mohammad  
 )  
Filed: July 9, 2001 ) Confirmation No.: 4911  
 )  
For: SOFT-OUTPUT DECODING )  
METHOD & APPARATUS FOR )  
CONTROLLED INTERSYMBOL )  
INTERFERENCE CHANNELS ) Date: January 11, 2005

**COMMUNICATION TO EXAMINER**

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

An Information Disclosure Statement was filed in the above-identified application on November 19, 2004 (copy attached with USPTO date-stamped filing receipt). A Notice of Allowance was issued in this application on December 3, 2004. To date, no initialed copy of the PTO Form 1449 has been received.

Applicants respectfully request that the Examiner initial the attached duplicate PTO Form 1449 and return it to Applicants.

Respectfully submitted,

By: Andrew J. Bateman  
Andrew J. Bateman  
Registration No. 45,573

IP Docket  
Katten Muchin Zavis Rosenman  
1025 Thomas Jefferson St., NW  
East Lobby, Suite 700  
Washington, DC 20007-5201  
Facsimile No.: (202) 298-7570

APPLICANT: Wu, et al

APPLN NO: 091901,507 FILED: 7/19/01

DOCKET NO: NP0077 213205.00114

ATTORNEY: ☒ AJB ☐ DCH ☐ RPB ☐ JAG ☐

TITLE: Soft-Output Decoding Method...Channels

DATE HAND-CARRIED TO USPTO: 11/19/04

DUE DATE:

FEES: \$

☐ Check ☐ Credit Card  
☐ Deposit Account

☐ APPLICATION TRANSMITTAL

☐ Prov ☐ Utility ☐ Design ☐ Cont ☐ Div ☐ CIP

☒ USPTO TRANSMITTAL FORM

☐ Fee Transmittal (2) ☐ credit card authorization(s)

☐ Application Data Sheet

☐ Specification ☐ Substitute Specification

☐ Drawing Sheets ☐ Formal ☐ Informal

via ☐ Appln ☐ Letter ☐ Approval Req ☐ Response

☐ Declaration ☒ Combined Declaration Power of Attorney

☐ POWER OF ATTORNEY - BY ASSIGNEE

☐ Pwr of Atty ☐ Rev of Pwr of Atty ☐ Rev & New Pwr

• with 3.73(b) Stmt & ☐ Assign copy or ☐ Recordation data

☐ POWER OF ATTORNEY - BY APPLICANT

☐ Pwr of Atty ☐ Rev of Pwr of Atty ☐ Rev & New Pwr

☐ Change of Correspondence Address

☐ Assignment with PTO-1595

☒ IDS with PTO-1449(s) ☒ and 1 cited references

☐ Claim for Priority ☐ with    Certified Priority Documents

☐ Sequence Listing with Diskette

☐ Non-Publication ☐ Request for ☐ Request to Rescind

☐ Response to Missing ☐ Parts ☐ Requirements (3.71)  
with Notice copy and formal documents marked with ☒

☐ Request for Corrected OFR with marked-up OFR

☐ Request for Corrected Notice of Recordation  
with Assignment copy & 1595 ☐ copy ☐ new

☐ Status Inquiry ☐ Req for Refund ☐ Express Abandonment

☐ AMENDMENT/RESPONSE

☐ Preliminary ☐ Restriction/Election ☐ Supplemental ☐ Final

☐ including   -month EOT Request ☐ 312 ☐ Attachs (see OTHER)

☐ Petition for   -month Extension of Time

☐ Req for Continued Examination (RCE) ☐ w/   -month EOT

☐ Terminal Disclaimer ☐ Issue Fee Trans (2)

☐ Req for COC/PTO-1050 ☐ Maint Fee Trans

☐ APPEAL ☐ Notice ☐ Brief (3) ☐ Reply Brief

☐ Oral Hearing ☐ Request for ☐ Confirmation of

☐ Petition to Revive ☐ Unintentional ☐ Erroneous

☐ Attachments (see OTHER)

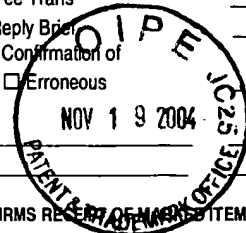
☐ Petition

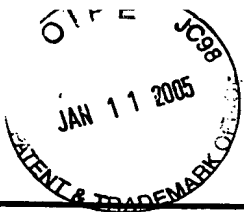
☐ Other

USPTO DATE-STAMP HEREON CONFIRMS RECEIPT OF MARKS ITEMS



DOCKETED



**TRANSMITTAL  
FORM***to be used for all correspondence after initial filing*

Application Number	09/901,507
Filing Date	07/09/2001
First Named Inventor	Zining WU
Group Art Unit	2631
Examiner Name	G. Mohammad
Attorney Docket Number	MP0077

Total number of pages in this submission including transmittal 30

**ENCLOSURES (check all that apply)**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached - Check<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Response to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers<br>(for an Application)<br><input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence<br>Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (identify below): |
|---|---|--|

REMARKS

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name KATTEN MUCHIN ZAVIS ROSENMAN

Signature

Printed Name Andrew J. Bateman

Reg. No. 45,573

Date: 11/19/2004

**CERTIFICATE OF FACSIMILE TRANSMISSION OR MAILING**

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Signature

Typed or Printed Name

Date:

MP0077



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
Zining WU, et al.	)	Group Art Unit: 2631
Application No.: 09/901,507	)	Examiner: G. Mohammad
Filed: July 9, 2001	)	Confirmation No.: 4911
For: SOFT-OUTPUT DECODING	)	
METHOD & APPARATUS FOR	)	
CONTROLLED INTERSYMBOL	)	Date: November 19, 2004
INTERFERENCE CHANNELS	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the document listed on the enclosed PTO-1449. A copy of the cited reference and an English language Abstract thereof are also enclosed.

In accordance with 37 CFR § 1.97(h), this Information Disclosure Statement is not to be construed as an admission that the information cited is or is considered to be material to patentability as defined in 37 CFR § 1.56(b), nor as an admission that the information constitutes prior art within the meaning of 35 USC §§ 102 and/or 103.

It is respectfully requested that the information listed on the PTO-1449 be considered by the Examiner, and that an initialed copy of the PTO-1449 be returned indicating that such information was considered.

No fee is necessary for filing this Information Disclosure Statement.

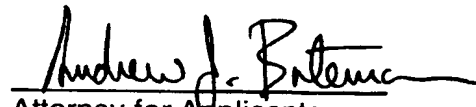
MP0077

PATENT

Should the Examiner have any questions, Applicants' undersigned attorney is reachable by telephone at (202) 625-3547. The correspondence address of record is provided below.

Respectfully submitted,

KATTEN MUCHIN ZAVIS  
ROSENMAN

  
Attorney for Applicants  
Andrew J. Bateman  
Registration No.: 45,573

Intellectual Property Department  
Marvell Semiconductor, Inc.  
700 First Avenue, Mail Stop 509  
Sunnyvale, CA 94089  
Facsimile No.: (408) 752-9034

**APPLICATION NO.**

09/901.507

**APPLICANT**  
Zining WU

FILING DATE

**GROUP**

07/09/2001

2631

[illegible]

*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION OR ABSTRACT (Yes or No)
		JP2004164767	10/06/2004	JAPAN			YES
							Abstract

[illegible]

DATE CONSIDERED

\* EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MP0077



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Allowed: December 3, 2004
	)	
Zining WU, et al.	)	Group Art Unit: 2631
	)	
Application No.: 09/901,507	)	Examiner: G. Mohammad
	)	
Filed: July 9, 2001	)	Confirmation No.: 4911
	)	
For: SOFT-OUTPUT DECODING	)	
METHOD & APPARATUS FOR	)	
CONTROLLED INTERSYMBOL	)	
INTERFERENCE CHANNELS	)	Date: January 11, 2005

**COMMUNICATION**

**Mail Stop Issue Fee**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that the attached references be placed in the above-identified application file maintained by the U.S. Patent and Trademark Office.

Should there be any questions, Applicants' undersigned attorney is reachable by telephone at (202) 625-3547. The correspondence address of record is provided below.

Respectfully submitted,

By: Andrew J. Bateman  
Andrew J. Bateman  
Registration No. 45,573

IP Docket  
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